

TITLE OF THE INVENTION

A SPARK PLUG AND

A METHOD OF PRODUCING THE SAME

ABSTRACT OF THE DISCLOSURE

- 5 A noble metal chip of which one end is welded to an earth electrode by laser has a sectional area of not less than 0.12mm^2 and not more than 1.15 mm^2 at the other end. A length from the surface of the earth electrode to the top surface of the noble metal chip is not less than 0.3 mm and not more than 1.5 mm . An outer surface of the
- 10 fused junction layer obtained by laser welding between the noble metal chip and the earth electrode has a concave surface, wherein the slope on the plane including the axis of the noble metal chip is curved with a radius R .